

**Abstract**

A method of making a sensor to measure an analyte in a solution is disclosed. The method comprises: providing a substrate, printing conductive ink on the substrate to form a plurality of electrode regions, depositing an electrical insulation to cover one of the electrode regions, sonically ablating the electrical insulation to form an array of pores through the electrical insulation to the conductive ink in the one electrode region, and depositing metal into the pores to form an array of electrodes in the one electrode region.